

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) An information output device for outputting a plurality of information in order ~~information having a hierarchical structure with an aggregate of said information as the unit thereof~~, comprising:

~~aggregate output control means for controlling the output of said an aggregate of said information as the unit thereof based on a designation data an event response control program having described therein each of command for each of event, and each associated with each of said aggregate of said information as the unit thereof, which contains said information being output, of event response control programs having described therein command for event associated with each of said aggregates, and in correspondence with said event; and~~

~~information output control means for controlling the output of said information contained in said aggregate based on ordinal data having described therein the output order of said information, and associated with said aggregate; in which the output thereof has been instructed by said aggregate output control means, of ordinary data having described therein the output order of said information associated with each of said aggregates.~~

wherein said aggregate output control means controls the output of said aggregate based on a first ordinal data associated with a first aggregate among said aggregate of a plurality of said ordinal data, to outputting said information contained in said first aggregate, when the output of said first aggregate has been instructed;

wherein said aggregate output control means controls the output of said aggregate based on a first designation data associated with said first aggregate of a plurality of said designation data, to instructing the output of a second aggregate among said aggregate or said first aggregate, and in correspondence with said event, when said information contained in said first aggregate has been outputted;

wherein said aggregate output control means controls the output of said aggregate based on a second ordinal data associated with said second aggregate of a plurality of said ordinal data, to outputting said information contained in said second aggregate, when the output of said second aggregate has been instructed; and

wherein said aggregate output control means controls the output of said aggregate based on a second designation data associated with said second aggregate of a plurality of said among said designation data, to instructing the output of a third aggregate among said aggregate, said first aggregate or said second aggregate, and in correspondence with said event when said information contained in said second aggregate has been outputted.

2. (Currently Amended) An information output device according to claim 1 or claim 25, wherein said aggregate output control means controls the output of said aggregate based on said designation data event response control program associated with said aggregate containing said information being output, and said designation data event response control program associated with said aggregate of the ancestor of said aggregate containing said information being output, and in correspondence with said event.

3. (Currently Amended) An information output device according to claim 1 or claim 25 [[2]], further comprising reproduction means for reproducing said information to be output based on the control of said information output control means and in correspondence with the type of said information.

4. (Currently Amended) An information output device according to any one of claims 1 to 3 claim 1 or 25, further comprising event generation means for acquiring the outside status and generating said event.

5. (Currently Amended) An information output device according to any one of claims 1 to 3 claim 1 or 25, further comprising memory control means for controlling the memory of said information, said designation data, event response control program, and said ordinal data.

6. (Currently Amended) An information output device according to any one of claims 1 to 3 claim 1 or 25, further comprising communication control means for controlling the transmission of a request of said aggregate, the reception of which has been instructed by said aggregate output control means, to the information provision device for providing said information, and controlling the reception of said information belonging to said requested aggregate as well as said designation data event response control program and said ordinal

data associated with said requested aggregate, provided from said information provision device.

7. (Currently Amended) An information output device according to ~~any one of claims 1 to 3~~ claim 1 or 25, wherein said aggregate output control means rewrites said ordinal data.

8. (Currently Amended) An information output method for outputting ~~a plurality of information in order~~ information having a hierarchical structure with an aggregate of said information as the unit thereof, comprising:

~~an aggregate output control step for controlling the output of said an aggregate of said information as the unit thereof based on a designation data an event response control program having described therein each of command for each of event, and each associated with each of said aggregate of said information as the unit thereof, which contains said information being output, of event response control programs having described therein a command for an event associated with each of said aggregates, and in correspondence with said event; and~~

~~an information output control step for controlling the output of said information contained in said aggregate based on ordinal data having described therein the output order of said information, and associated with said aggregate; the output of which has been instructed at said aggregate output control step, of the ordinal data having described therein the output order of said information associated with each of said aggregates.~~

wherein at said aggregate output control step it is controlled the output of said aggregate based on a first ordinal data associated with a first aggregate among said aggregate, of a plurality of said ordinal data, to outputting said information contained in said first aggregate, when the output of said first aggregate has been instructed;

wherein at said aggregate output control step it is controlled the output of said aggregate based on a first designation data associated with said first aggregate of a plurality of said designation data to instructing the output of a second aggregate or said first aggregate, and in correspondence with said event, when said information contained in said first aggregate has been outputted;

wherein at said aggregate output control step it is controlled the output of said aggregate based on a second ordinal data associated with said second aggregate of a plurality

of said ordinal data, to outputting said information contained in said second aggregate when the output of said second aggregate has been instructed; and

wherein at said aggregate output control step, it is controlled the output of said aggregate based on a second designation data associated with said second aggregate of a plurality of said designation data, to instructing the output of a third aggregate among said aggregate, said first aggregate or said second aggregate, and in correspondence with said event, when said information contained in said second aggregate has been outputted.

9. (Currently Amended) A recording medium having recorded thereon a computer-readable program for making a computer execute processing for controlling the output of a plurality of information in order information having a hierarchical structure with an aggregate of said information as the unit thereof, said program comprising:

an aggregate output control step for controlling the output of said an aggregate of said information as the unit thereof based on a designation data an event response control program having described therein each of command for each of event, and each associated with each of said aggregate of said information as the unit thereof, which contains said information being output, of event response control programs having described therein a command for an event associated with each of said aggregates, and in correspondence with said event; and

an information output control step for controlling the output of said information contained in said aggregate based on ordinal data having described therein the output order of said information, and associated with said aggregate; the output of which has been instructed at said aggregate output control step, of the ordinal data having described therein the output order of said information associated with each of said aggregates.

wherein at said aggregate output control step it is controlled the output of said aggregate based on a first ordinal data associated with a first aggregate among said aggregate, of a plurality of said ordinal data, to outputting said information contained in said first aggregate, when the output of said first aggregate has been instructed;

wherein at said aggregate output control step it is controlled the output of said aggregate based on a first designation data associated with said first aggregate of a plurality of said designation data to instructing the output of a second aggregate among said aggregate or

said first aggregate, and in correspondence with said event, when said information contained in said first aggregate has been outputted;

wherein at said aggregate output control step it is controlled the output of said aggregate based on a second ordinal data associated with said second aggregate of a plurality of said ordinal data, to outputting said information contained in said second aggregate, when the output of said second aggregate has been instructed; and

wherein at said aggregate output control step, it is controlled the output of said aggregate based on a second designation data associated with said second aggregate of a plurality of said designation data, to instructing the output of a third aggregate among said aggregate, said first aggregate or said second aggregate, and in correspondence with said event, when said information contained in said second aggregate has been outputted.

10. (Currently Amended) A computer-readable medium embedding a program for making a computer execute processing for controlling the output of a plurality of information in order information having a hierarchical structure with an aggregate of said information as the unit thereof, said program comprising:

an aggregate output control step for controlling the output of said an aggregate of said information as the unit thereof based on a designation data an event response control program having described therein each of command for each of event, and each associated with each of said aggregate of said information as the unit thereof, which contains said information being output, of event response control programs having described therein a command for an event associated with each of said aggregates, and in correspondence with said event; and

an information output control step for controlling the output of said information contained in said aggregate based on ordinal data having described therein the output order of said information, and associated with said aggregate; the output of which has been instructed at said aggregate output control step, of the ordinal data having described therein the output order of said information associated with each of said aggregates.

wherein at said aggregate output control step it is controlled the output of said aggregate based on a first ordinal data associated with a first aggregate among said aggregate of a plurality of said ordinal data, to outputting said information contained in said first aggregate, when the output of said first aggregate has been instructed;

wherein at said aggregate output control step it is controlled the output of said aggregate based on a first designation data associated with said first aggregate of a plurality of said designation data to instructing the output of a second aggregate or said first aggregate, and in correspondence with said event, when said information contained in said first aggregate has been outputted;

wherein at said aggregate output control step it is controlled the output of said aggregate based on a second ordinal data associated with said second aggregate of a plurality of said ordinal data, to outputting said information contained in said second aggregate when the output of said second aggregate has been instructed; and

wherein at said aggregate output control step, it is controlled the output of said aggregate based on a second designation data associated with said second aggregate of a plurality of said designation data, to instructing the output of a third aggregate among said aggregate, said first aggregate or said second aggregate, and in correspondence with said event, when said information contained in said second aggregate has been outputted.

11 - 16. (Cancelled)

17. (Currently Amended) An information provision device for use with the information output device of claim 1, comprising:

memory control means for controlling the memory of an said information having a hierarchical structure with an aggregate of said information as the unit thereof, and controlling the memory of designation data event response control programs having described therein each of command for each of event on the reception side, and each associated with each of said aggregates of said information as the unit thereof; and

transmission control means for controlling, when said aggregate is requested from an said information reception device for receiving said information, the transmission of said information belonging to said requested aggregate and said designation data event response control program associated with said requested aggregate, to said information reception device.

18. – 22. (Cancelled)

23. (Currently Amended) An information provision system comprising an information provision device for providing information ~~having a hierarchical structure with an aggregate of said information as the unit thereof~~, and an information reception device for receiving said information;

wherein said information provision device comprises:

memory control means for controlling the memory of said information ~~hierarchical structure~~, and controlling the memory of designation data event response control programs having described therein each of a command for each of an event in the information reception device, and each associated with each of said aggregates of said information as the unit thereof; and

transmission control means for controlling, when said aggregate is requested from said information reception device, the transmission of said information belonging to said requested aggregate and said designation data event response control program associated with said requested aggregate to the information reception device; and

wherein said information reception device comprises:

aggregate output reception control means for controlling the output reception of said aggregate based on said designation data an event response control program, and in correspondence with said event; and

information output control means for controlling the output of said information contained in said aggregate based on ordinal data having described therein the output order of said information, and associated with said aggregate; and

communication control means for controlling the transmission of the request of said aggregate, the reception of which has been instructed by said aggregate output reception control means, to said the information provision device, and controlling the reception of said information belonging to said requested aggregate and said designation data event response control program associated with said requested aggregate, provided from said information provision device;

wherein said aggregate output control means controls the output of said aggregate based on a first ordinal data associated with a first aggregate among said aggregate of a plurality of types of said ordinal data, to outputting said information contained in said first aggregate, when the output of said first aggregate has been instructed,

wherein said aggregate output control means controls the output of said aggregate based on a first designation data associated with said first aggregate of a plurality of types of said designation data, to instructing the output of a second aggregate among said aggregate or said first aggregate, and in correspondence with said event, when said information contained in said first aggregate has been outputted;

wherein said aggregate output control means controls the output of said aggregate based on a second ordinal data associated with said second aggregate of a plurality of types of said ordinal data, to outputting said information contained in said second aggregate, when the output of said second aggregate has been instructed; and

wherein said aggregate output control means controls the output of said aggregate based on a second designation data associated with said second aggregate of a plurality of types of said designation data, to instructing the output of a third aggregate among said aggregate, said first aggregate or said second aggregate, and in correspondence with said event, when said information contained in said second aggregate has been outputted.

24. (Cancelled)

25. (New) An information output device according to claim 1, said information having a hierarchical structure with an aggregate of said information as the unit thereof.